





Table 1

Alloy for joining (A or B)	Reaction partners and buffer (X)	Tmelt, before	T _{melt} , after	Intermetallic phases
Ga-vNi (1 < v < 20wt%)	Ag, Cu, Ni	30,2°C (I)	362°C; 895°C	Ga ₄ Ni; Ni2Ga3
	Ag, Cu, Ni	28,6°C (!)	254°C; 485°C	GazCu; GazCu3
	Ag, Cu, Ni	26°C (!)	425°C; 611°C	AgzGa; Ag5Ga
	Ag, Cu, Ni	144°C	660°C; 695°C	Aggln
Sn-vAg: (1 <v<50wt%)< td=""><td>Ag oder Cu</td><td>221°C</td><td>480°C; 724°C</td><td>Ag3Sn; Ag5Sn</td></v<50wt%)<>	Ag oder Cu	221°C	480°C; 724°C	Ag3Sn; Ag5Sn
Au-xSn (10 <x<30wt%;< td=""><td>Ag oder Cu</td><td>280°C</td><td>480°C; 724°C</td><td>Ag₃Sn; Ag₅Sn</td></x<30wt%;<>	Ag oder Cu	280°C	480°C; 724°C	Ag ₃ Sn; Ag ₅ Sn
15 <x<42at%)(des:< td=""><td>1</td><td></td><td>415°C; 640°C</td><td>Cน6จกรู; บนสูงห</td></x<42at%)(des:<>	1		415°C; 640°C	Cน6จกรู; บนสูงห
5 <x<38wt%; 8<x<50at%)<="" td=""><td></td><td></td><td></td><td></td></x<38wt%;>				
Au-yGe (7 < y < 20wt%;	Çn	361°C	614°C; 743°C	Cu3Ge; Cu5Ge
20 <v<40at%) (="" :<="" des="" td=""><td></td><td></td><td></td><td></td></v<40at%)>				
4 < y < 50wt%; 10 < y < 75at%)				